

AMENDMENTS TO THE CLAIMS

The following listing of claims shown in marked-up format with strikethrough and/or double brackets indicating deletions and underlining indicating additions supersedes all prior versions and listings of claims in connection with this application.

LISTING OF CLAIMS

1. (Currently Amended) A computer-readable medium having a data structure for managing reproduction of still images, comprising:

a data area storing a first clip stream file and a second clip stream file, the first clip stream file including video data for reproducing the still images including a first still image and a second still image, the second clip stream file including audio data;

a playlist area storing at least one playlist file, the playlist file including mark information and at least one playitem and at least one sub-playitem, the mark information providing presentation information on the second still image to provide for at least skipping from reproducing the first still image to reproducing the second still image, the playitem indicating an in-point and an out-point of the first clip stream file for reproducing the first and second still images, the sub-playitem indicating an in-point and an out-point of the second clip stream file for reproducing the audio data, the playitem managing the first and the second still images and the sub-playitem managing the audio data so

as to permit independent reproduction of the first and the second still images and the audio data; and

a management area storing at least a first clip information file and a second clip information file, the first clip information file including mapping information between a presentation time and a unit of the first clip stream file, the second clip information file including mapping information between a presentation time and a unit of the second clip stream file, the first and second clip information files corresponding to the first and second clip stream files, respectively, wherein

the mark information includes at least one mark associated with the second still image, and

the mark information includes identification information and number information, the identification information indentifying a playitem on which the at least one mark is placed, the number information indicating the total number of marks.

2-3. (Cancelled)

4. (Currently Amended) The computer-readable medium of claim [[2]] 1, wherein the ~~first~~ mark information further includes ~~a first indicator position information~~ indicating a point in a playitem where the ~~first~~ at least one mark is placed ~~and wherein the second mark includes a second indicator indicating a point in a playitem where the second mark is placed.~~

5. (Currently Amended) The computer-readable medium of claim 1 [[2]], wherein the ~~first~~ mark information includes a type indicator indicating a type of the ~~first~~ at least one mark, ~~and the second mark includes a type indicator indicating a type of the second mark.~~

6. (Cancelled)

7. (Currently Amended) The computer-readable medium of claim 1 [[2]], wherein the ~~first~~ at least one mark points to ~~the first still image and the second mark points to~~ the second still image.

8-11. (Cancelled)

12. (Currently Amended) A method of reproducing a data structure for managing reproduction of still images recorded on a computer-readable medium, comprising:

reproducing a first clip stream file and a second clip stream file, the first clip stream file including video data for reproducing the still images including a first still image and a second still image, the second clip stream file including audio data;

reproducing at least one playlist file, the playlist file including mark information and at least one playitem and at least one sub-playitem, the mark

information providing presentation information on the second still image[[s]] to provide for at least skipping from reproducing the first still image to reproducing the second still image, the playitem indicating an in-point and an out-point of the first clip stream file for reproducing the first and second still images, the sub-playitem indicating an in-point and an out-point of the second clip stream file for reproducing the audio data, the playitem managing the first and the second still images and the sub-playitem managing the audio data so as to permit independent reproduction of the first and the second still images and the audio data; and

reproducing at least a first clip information file and a second clip information file, the first clip information file including [[a]] mapping information between a presentation time and a unit of the first clip stream file, the second clip information file including mapping information between a presentation time and a unit of the second clip stream file, the first and second clip information files corresponding to the first and second clip stream files, respectively, wherein

the mark information includes at least one mark associated with the second still image, and

the mark information includes identification information and number information, the identification information indentifying a playitem on which the at least one mark is placed, the number information indicating the total number of marks.

13. (Currently Amended) An apparatus for reproducing a data structure for managing reproduction of still images recorded on a computer-readable medium, comprising:

a pick up configured to reproduce data recorded on the computer-readable medium; and

a controller configured to control the pick up to reproduce a first clip stream file and a second clip stream file, the first clip stream file including video data for reproducing the still images including a first still image and a second still image, the second clip stream file including audio data,

the controller configured to control the pick up to reproduce at least one playlist file, the playlist file including mark information and at least one playitem and at least one sub-playitem, the mark information providing presentation information on the second still image to provide for at least skipping from reproducing the first still image to reproducing the second still image, the playitem indicating an in-point and an out-point of the first clip stream file for reproducing the first and second still images, the sub-playitem indicating an in-point and an out-point of the second clip stream file for reproducing the audio data, the playitem managing the first and the second still images and the sub-playitem managing the audio data so as to permit independent reproduction of the first and the second still images and the audio data, and

the controller configured to control the pick up to reproduce a first clip information file including mapping information between a presentation time

and a unit of the first clip stream file, and a second clip information file including mapping information between a presentation time and a unit of the second clip stream file, the first and second clip information files corresponding to the first and second clip stream files, respectively, wherein

the mark information includes at least one mark associated with the second still image, and

the mark information includes identification information and number information, the identification information indentifying a playitem on which the at least one mark is placed, the number information indicating the total number of marks.

14. (Currently Amended) A method of recording a data structure for managing reproduction of still images on a computer-readable medium, comprising:

recording a first clip stream file and a second clip stream file, the first clip stream file including video data for reproducing the still images including a first still image and a second still image, the second clip stream file including audio data;

recording at least one playlist file, the playlist file including mark information and at least one playitem and at least one sub-playitem, the mark information providing presentation information on the second still image to provide for at least skipping from reproducing the first still image to reproducing the second still image, the playitem indicating an in-point and an

out-point of the first clip stream file for reproducing the first and the second still images, the sub-playitem indicating an in-point and an out-point of the second clip stream file for reproducing the audio data, the playitem managing the first and the second still images and the sub-playitem managing the audio data so as to permit independent reproduction of the first and the second still images and the audio data; and

recording at least a first clip information file and a second clip information file, the first clip information file including mapping information between a presentation time and a unit of the first clip stream file, the second clip information file including mapping information between a presentation time and a unit of the second clip stream file, the first and second clip information files corresponding to the first and second clip stream files, respectively, wherein

the mark information includes at least one mark associated with the second still image, and

the mark information includes identification information and number information, the identification information indentifying a playitem on which the at least one mark is placed, the number information indicating the total number of marks.

15. (Currently Amended) An apparatus for recording a data structure for managing reproduction of still images on a computer-readable medium, comprising:

a pick up configured to record data on the computer-readable medium;
and

a controller configured to control the pick up to record a first clip stream file and a second clip stream file, the first clip stream file including video data for reproducing the still images including a first still image and a second still image, the second clip stream file including audio data,

the controller configured to control the pick up to record at least one playlist file, the playlist file including mark information and at least one playitem and at least one sub-playitem, the mark information providing presentation information on the second still image to provide for at least skipping from reproducing the first still image to reproducing the second still image, the playitem indicating an in-point and an out-point of the first clip stream file for reproducing the first and second still images, the sub-playitem indicating an in-point and an out-point of the second clip stream file for reproducing the audio data, the playitem managing the first and the second still images and the sub-playitem managing the audio data so as to permit independent reproduction of the first and the second still images and the audio data, and

the controller configured to control the pick up to record a first clip information file including mapping information between a presentation time and a unit of the first clip stream file, and a second clip information file including mapping information between a presentation time and a unit of the

second clip stream file, the first and second clip information files corresponding to the first and second clip stream files, respectively, wherein

the mark information includes at least one mark associated with the second still image, and

the mark information includes identification information and number information, the identification information indentifying a playitem on which the at least one mark is placed, the number information indicating the total number of marks.

16-17. (Cancelled)

18. (Currently Amended) The method of claim 16, wherein the ~~first~~ mark information includes ~~a first indicator~~ position information indicating a point in a playitem where the ~~first~~ at least one mark is placed ~~and wherein the second mark includes a second indicator indicating a point in a playitem where the second mark is placed.~~

19. (Currently Amended) The method of claim 16, wherein the ~~first~~ mark information includes a type indicator indicating a type of the ~~first~~ at least one mark, ~~and the second mark includes a type indicator indicating a type of the second mark.~~

20. (Cancelled)

21. (Currently Amended) The method of claim 16, wherein the ~~first~~ at least one mark points to ~~the first still image and the second mark points to the~~ second still image.

22-23. (Cancelled)

24. (Currently Amended) The apparatus of claim 22, wherein the first mark information includes a ~~first indicator~~ position information indicating a point in a playitem where the ~~first~~ at least one mark is placed ~~and wherein the second mark includes a second indicator indicating a point in a playitem where the second mark is placed.~~

25. (Currently Amended) The apparatus of claim 22, wherein the ~~first~~ mark information includes a type indicator indicating a type of the ~~first~~ at least one mark, ~~and the second mark includes a type indicator indicating a type of the second mark.~~

26. (Cancelled)

27. (Currently Amended) The apparatus of claim 22, wherein the ~~first~~ at least one mark points to ~~the first still image and the second mark points to the~~ second still image.

28. (Cancelled)

30. (Currently Amended) The method of claim 28, wherein the ~~first~~ mark information includes a ~~first indicator~~ position information indicating a point in a playitem where the ~~first~~ at least one mark is placed ~~and wherein the second mark includes a second indicator indicating a point in a playitem where the second mark is placed.~~

31. (Currently Amended) The method of claim 28, wherein the ~~first~~ mark information includes a type indicator indicating a type of the ~~first~~ at least one mark, ~~and the second mark includes a type indicator indicating a type of the second mark.~~

32-35. (Cancelled)

36. (Currently Amended) The apparatus of claim 34, wherein the ~~first~~ mark information includes a ~~first indicator~~ position information indicating a point in a playitem where the ~~first~~ at least one mark is placed ~~and wherein the second mark includes a second indicator indicating a point in a playitem where the second mark is placed.~~

37. (Currently Amended) The apparatus of claim 34, wherein the ~~first~~ mark information includes a type indicator indicating a type of the ~~first~~ at least one mark, ~~and the second mark includes a type indicator indicating a type of the second mark.~~

38. (Cancelled)

39. (Currently Amended) The apparatus of claim 34, wherein the ~~first~~ at least one mark points to ~~the first still image and the second mark points to the~~ second still image.

*** * * END OF CLAIM LISTING * * ***